

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION		REVISIONS		DATE	

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY

PROJECT NO. E-SAP-014N(138)ES

BRIDGE REPAIR PROJECT

UNITED STATES HIGHWAY 75 OVER POLECAT CREEK

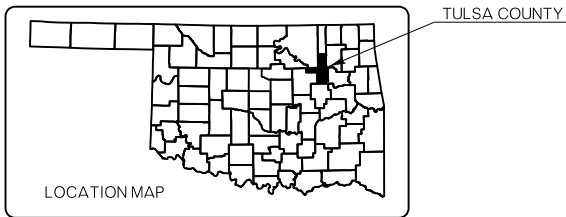
TULSA COUNTY

JOB PIECE NO. 36579(04)

BRIDGE "A" LOCATION NO. 7218-0489EX

EXISTING NBI NO. 16184

CONTROL SECTION NO. 75-72-18



INDEX OF SHEETS

SHEET NUMBER	SHEET DESCRIPTION
0001	TITLE SHEET
AB01	GENERAL NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGE)
AT01	PAY QUANTITIES AND NOTES (TRAFFIC)
B001	GENERAL PLAN AND ELEVATION
B002	DETAILS OF BRIDGE REPAIR (TYPE A)
B003	DETAILS OF BRIDGE REPAIR (TYPE B)
B004	DETAILS OF DECK REPAIR
T001	TRAFFIC CONTROL DETAILS

THE FOLLOWING STANDARD DRAWINGS WILL BE REQUIRED:

2009 TRAFFIC STANDARDS

TCS1-1-01	TCS10-1-00
TCS2-1-00	TCS11-1-01
TCS3-1-01	TCS14-1-00
TCS4-1-01	TCS18-1-01
TCS5-1-00	TCS19-1-01
TCS6-1-02	TCS20-1-00
TCS7-1-02	TCS21-1-02
TCS8-1-00	TCS24-1-02
TCS9-1-01	WSD2-1-00

BRIDGE DESIGN

ENGINEERING MANAGER: SQUAD SUPERVISOR: K. MAYFIELD ASSISTANT SUPERVISOR W. YANES
ENGINEER: DOVIE RAYBURN, P.E. SQUAD MEMBERS: D. GOFORTH, A. GATLEY
ENGINEER: CHRIS MCALISTER, P.E., LUCAS NORRIS, E.I.

TULSA COUNTY

BRIDGE "A" LOCATION NO. 7218-0489 EX
NBI 16184
FACILITY CARRIED: U.S. 75 NORTHBOUND
FEATURES INTERSECTION: POLECAT CREEK
LOCATION: 4.8 MI. N. JCT. SH 67
CONTROL SECTION NO. 75-72-18
TOWNSHIP: T18N RANGE: R12E

SCALES 1" = 100'

PLAN 1" = 100'

PROFILE HOR. 1" = 100'

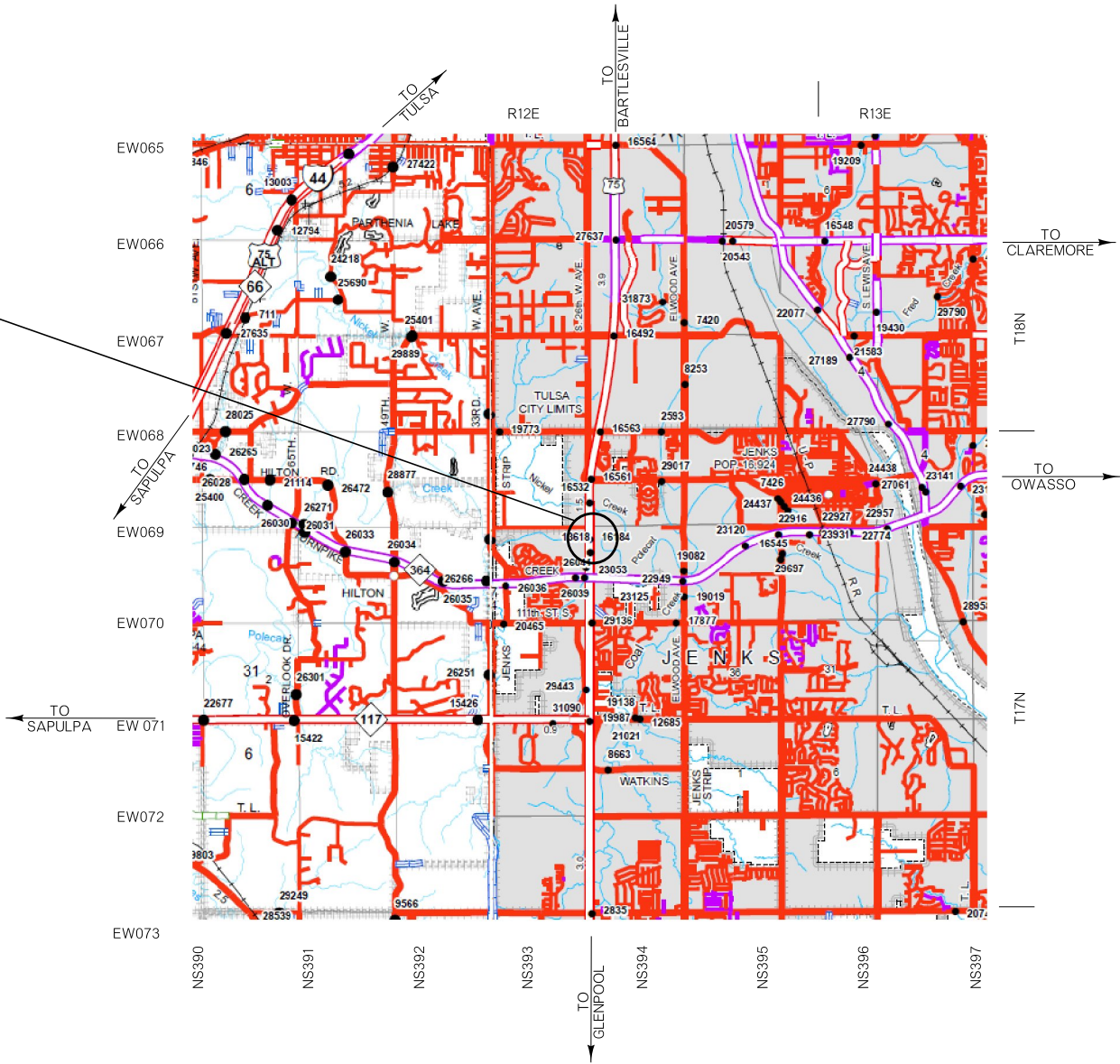
VER. 1" = 10'

LAYOUT MAP 1" = 5,280'

CONVENTIONAL SYMBOLS

	PROPOSED ROAD
	RAILROADS
	RANGE & TOWNSHIP
	SECTION LINES
	QUARTER SECTION LINES
	FENCES
	GROUND LINE
	EXISTING ROADS
	BASE LINE
	GRADE LINES
	TELEPHONE & TELEGRAPH
	POWER LINES
	BUILDINGS
	OIL WELL
	DRAINAGE STRUCTURES - IN PLACE
	DRAINAGE STRUCTURES - NEW
	RIGHT-OF-WAY LINES - EXISTING
	RIGHT-OF-WAY LINES - NEW
	CONTROLLED ACCESS
	RIGHT-OF-WAY FENCE

2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION GOVERN, APPROVED BY
THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, DECEMBER 18, 2019.



GENERAL NOTES

SPECIFICATIONS:

COMPLY WITH THE REQUIREMENTS OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

VERIFICATION OF EXISTING CONDITIONS:

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS NECESSARY TO COMPLETE THE WORK AS SHOWN AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF.
BIDDERS SHALL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITION UNDER WHICH IT WILL BE PERFORMED. THE CONTRACTOR SHALL ADOPT METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE BRIDGE OR ATTACHMENTS. ANY DAMAGE TO THE BRIDGE STRUCTURE OR ROADWAY DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

PLANS:

CONSTRUCTION PLANS FOR THE EXISTING STRUCTURE(S) MAY BE OBTAINED FROM THE OFFICE SERVICES DIVISION OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

PHYSICAL ADDRESS: OKLAHOMA DEPARTMENT OF TRANSPORTATION
200 NE 21ST STREET
OKLAHOMA CITY, OKLAHOMA 73105
405-521-2586

CONSTRUCTION PLANS ARE AVAILABLE FOR DIGITAL DELIVERY THROUGH THE URL LISTED BELOW:
HTTPS://OKLAHOMA.GOV/ODOT/BUSINESS-CENTER/PLANS-LIBRARY/PLANS-RESEARCH-REQUEST.HTML

FOR QUESTIONS AND CONCERNS REGARDING AS-BUILT PLANS, PLEASE EMAIL: ODOT-PLANSLIBRARY@ODOT.ORG
ASK FOR:

F.A.P. NO. F-53(41) IN TULSA US-75 OVER POLECAT CREEK (STRUCTURE NO. 2)
PROJECT NO. ACNHPP-272N(185)SS IN TULSA COUNTY US 75 OVER POLECAT CREEK (BRIDGE B)
OBSOLETE STANDARDS: H-20-S16 CPG-260-28, A36(1), H-20-S16 CPG-260-28-A36(2), H-20-S16 CPG-260-28, A36(3)

DECK HAUNCHES:

PLAN QUANTITY FOR CLASS AA CONCRETE INCLUDES AN AMOUNT FOR THE HAUNCHES OVER THE BEAMS AND SHALL NOT BE ADJUSTED FOR PAYMENT BASED ON THE ACTUAL HAUNCHES USED. THE CONTRACTOR SHALL TAKE ADEQUATE MEASUREMENTS AS NECESSARY TO CALCULATE THE ACTUAL HAUNCH THICKNESSES ALONG THE LENGTH OF THE REPAIR AND SUBMIT THOSE RESULTS TO THE ENGINEER FOR APPROVAL.

REMOVED MATERIAL:

ALL MATERIAL REMOVED DURING THIS PROJECT SHALL BECOME PROPERTY OF THE CONTRACTOR.

PAINTING:

ALL PAINTING SHALL BE IN ACCORDANCE WITH THE CURRENT 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SECTION 512. AFTER REPAIR OF THE BEAM, CLEANING AND PAINTING SHALL BE DONE IN ACCORDANCE WITH THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION CATEGORY "R" USING THE SC-MC-U PAINT SYSTEM. THE REPAIRED AREAS OF THE BEAM SHALL BE GIVEN ONE FINISH COAT OF PAINT TO CLOSELY MATCH THE EXISTING PAINTED BEAMS. THE TOTAL ESTIMATED AREAS TO BE PAINTED ARE 35 SQUARE FEET.

ANY AREAS WHERE PAINT HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE SPOT PAINTED WITH TWO COATS OF INORGANIC ZINC PRIMER AND ONE FINISH COAT OF PAINT AT THE CONTRACTOR'S EXPENSE.

THE EXISTING BRIDGE WAS PAINTED IN 2008 AND SHOULD NOT CONTAIN LEAD-BASED PAINT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TEST THE EXISTING PAINT IN AREAS OF REPAIR TO ENSURE LEAD-BASED PAINT IS NOT PRESENT.

CLASS AA CONCRETE:

THE PAY ITEM "CLASS AA CONCRETE" CONSISTS OF REMOVING AND REPLACING THE BRIDGE DECK, CURB AND PARAPET AT BEAM NO. 4, SPAN NO. 2, APPROXIMATELY FIFTEEN FEET (15') SOUTH OF PIER NO. 2, AND BEAM NO. 4, SPAN NO. 4, APPROXIMATELY TWENTY FEET (20') NORTH OF PIER NO. 3.

ALL "CLASS AA CONCRETE" WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 504.04 OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS APPROVED BY THE ENGINEER AND AS SHOWN IN THE PLANS.

ALL COSTS FOR COMPLETING THE WORK AS SPECIFIED INCLUDING CLASS AA CONCRETE, MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE PRICE BID PER CUBIC YARD OF "CLASS AA CONCRETE."

THE CONTRACTOR IS ALLOWED TO USE H.E.S. CONCRETE CLASS AA. ALL COSTS OF H.E.S. CONCRETE CLASS AA TO BE INCLUDED IN THE PRICE BID BID PER CUBIC YARDS OF "CLASS AA CONCRETE".

REINFORCING STEEL:

MECHANICAL SPLICES SHALL BE USED TO CONNECT THE LONGITUDINAL AND TRANSVERSE REINFORCING STEEL AS SPECIFIED OR SHOWN IN THE PLANS. THE MECHANICAL SPLICES SHALL BE ERICO LENTON OR APPROVED EQUAL. THE MECHANICAL SPLICES SHALL SATISFY THE REQUIREMENTS OF SECTION 511.04 OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND IN A MANNER APPROVED BY THE ENGINEER, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

ALL COSTS OF MECHANICAL SPLICES INCLUDING INSTALLATION, COST OF MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS DESCRIBED AND SHOWN IN THE PLANS, SHALL BE INCLUDED IN THE UNIT PRICE BID PER POUNDS OF "REINFORCING STEEL".

THE LENGTHS OF REINFORCING STEEL BARS WITH MECHANICAL SPLICES SHOWN IN THE CONSTRUCTION BAR LIST INCLUDES THE LENGTH OF THE MECHANICAL SPLICE. THE LENGTHS OF REINFORCING STEEL BARS TO BE ENGAGED INTO MECHANICAL SPLICES SHOWN IN THE CONSTRUCTION BAR LIST DO NOT INCLUDE ANY ADDITIONAL LENGTH FOR ENGAGEMENT INTO THE MECHANICAL SPLICES.

THE ACTUAL MECHANICAL SPLICE ENGAGEMENT LENGTHS SHALL BE DETERMINED BY THE MECHANICAL SPLICE MANUFACTURER AND THE LENGTHS OF THE REINFORCING STEEL BARS TO BE ENGAGED INTO MECHANICAL SPLICES SHALL BE ADJUSTED ACCORDINGLY.

ALL COST TO ADJUST THE LENGTH OF ANY REINFORCING STEEL SHOWN IN THE PLANS TO ACCOMMODATE THE MECHANICAL SPLICES WILL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE UNIT PRICE PER POUNDS OF "REINFORCING STEEL".

FALSEWORK AND JACKING:

THE PAY ITEM "FALSEWORK AND JACKING" CONSISTS OF TRANSPORTING, HANDLING AND INSTALLING OF THE TEMPORARY SUPPORTS FOR REPAIRING THE TWO (2) DAMAGED SECTIONS OF BEAM NO.4, SPAN NO. 2 AND SPAN NO. 4.

THE CONTRACTOR SHALL SUBMIT FALSEWORK PLANS IN ACCORDANCE WITH SECTION 105.02 OF THE 2019 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. THE FALSEWORK PLANS SHALL BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OKLAHOMA, DURING INSTALLATION OF THE FALSEWORK, CARE SHALL BE TAKEN TO PREVENT DAMAGE TO US 75 ROADWAY AND BRIDGE STRUCTURE.

REPAIR HOLES DRILLED THROUGH BRIDGE DECK WITH A NON-SHRINK GROUT IN ACCORDANCE WITH SUB SECTION 733.07 OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL SUBMIT FALSEWORK PLANS TO ODOT BRIDGE DIVISION FOR APPROVAL BEFORE COMMENCING FALSEWORK AND JACKING.

ALL COST OF THE FALSEWORK AND JACKING, INCLUDING ANY NEW PLATES, MATERIALS, JACKS, EQUIPMENT, LABOR INCIDENTALS, NECESSARY TO COMPLETE THE WORK AS SPECIFIED SHALL BE INCLUDED IN THE PRICE BID LUMP SUM OF "FALSEWORK AND JACKING".

REPAIR BRIDGE ITEM (TYPE A):

THE PAY ITEM "REPAIR BRIDGE ITEM (TYPE A)" CONSISTS OF REMOVING AND REPLACING A SECTION OF THE TOP FLANGE, WEB, AND STIFFENERS AT THE FOLLOWING LOCATIONS ALONG BEAM NO. 4:

SPAN NO. 2 APPROXIMATELY FIFTEEN FEET (15') SOUTH OF PIER NO. 2.
SPAN NO. 4 APPROXIMATELY TWENTY FEET (20') NORTH OF PIER NO. 3.

THE PAY ITEM "REPAIR BRIDGE ITEM (TYPE A)" ALSO CONSISTS OF DETACHING AND WELDING THE CONNECTION PLATE BACK AFTER BEAM SECTIONS HAVE BEEN REMOVED AND REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE LOCATION IN SPAN NO. 4 APPROXIMATELY TWENTY FEET (20') NORTH OF PIER NO. 3.

ALL NEW STRUCTURAL STEEL USED TO COMPLETE THIS WORK AS SHOWN AND DETAILED ON THE PLANS SHALL BE AASHTO M270 ASTM A-36 OR 50 IN ACCORDANCE WITH SECTION 506 OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL WELDS FOR STRUCTURAL STEEL SHALL CONFORM TO THE BRIDGE WELDING CODE AWS D1.5 (INCLUDING CURRENT REVISIONS) AND THE MODIFICATIONS TO THIS CODE INCLUDED IN AASHTO STANDARD SPECIFICATIONS FOR WELDING OF STRUCTURAL STEEL HIGHWAY BRIDGES. THE ESTIMATED QUANTITY OF STRUCTURAL STEEL IS 160 POUNDS FOR THE REPAIR LOCATED SOUTH OF PIER NO. 2 AND 120 POUNDS FOR THE REPAIR LOCATED NORTH OF PIER NO. 3.

EXTENSION BARS SHALL BE USED IN MATCHING THE BUTT WELDS IN THE FLANGES ACCORDING TO AWS SPECIFICATION SECTION 4.6. STEEL IS TO BE FABRICATED BY AN AISC CERTIFIED FABRICATOR.

ALL WELDS CONNECTING THE NEW FLANGE PLATE TO THE REPAIRED BEAM SHALL HAVE AN ULTRASONIC INSPECTION.

FLAME CUTTING MAY NOT BE USED FOR THE REMOVAL OF THE MAJOR PART OF THE BACKING-STRIP PLATES, PROVIDING AT LEAST 1/8" OF ITS THICKNESS IS LEFT TO BE REMOVED BY GRINDING.

THE CHARPY V-NOTCH IMPACT TESTS WILL BE REQUIRED FOR THE MAIN MEMBER OF THE STRUCTURAL STEEL USED IN THE REPAIRS. AISC CERTIFICATION SHALL BE REQUIRED FOR MAIN MEMBERS.

ALL COSTS OF THE BEAM REPAIR INCLUDING STRUCTURAL STEEL (TOP FLANGE, WEB AND STIFFENERS), WELDING, TOUCH-UP PAINT, PAINTING NEW BEAM SECTIONS, LABOR, REMOVAL, DISPOSAL, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER EACH FOR "REPAIR BRIDGE ITEM (TYPE A)".

REPAIR BRIDGE ITEM (TYPE B):

THE PAY ITEM "REPAIR BRIDGE ITEM (TYPE B)" CONSISTS OF GRINDING AND WELDING A CRACK APPROXIMATELY FIVE INCHES (5") IN LENGTH IN BEAM NO. 4, SPAN NO. 3, AT APPROXIMATELY TWENTY FEET (20') SOUTH OF PIER NO. 3.

ALL COSTS OF THE BEAM REPAIR INCLUDING WELDING, TOUCH-UP PAINT, LABOR, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER EACH FOR "REPAIR BRIDGE ITEM (TYPE B)".

WELDING:

ALL WELDS MUST BE MADE ON SOUND STEEL. NO FIELD WELDS TO THE BEAM WILL BE ALLOWED EXCEPT AS SHOWN IN THE PLANS OR APPROVED BY THE ENGINEER. ALL FIELD WELDS SHALL BE INSPECTED BY THE OKLAHOMA DEPARTMENT OF TRANSPORTATION MATERIALS DIVISION OR THEIR REPRESENTATIVE AND SHALL BE IN ACCORDANCE WITH THE CURRENT ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE (INCLUDING CURRENT REVISIONS) AND THE MODIFICATIONS.

CONTACT THE ODOT MATERIALS DIVISION AT (405) 522- 4999 AT LEAST 72 HOURS PRIOR TO THE ANTICIPATED COMPLETION OF FIELD WELDS.

ALL WELDING SHALL BE MADE IN ACCORDANCE WITH SUBSECTION 724.03 OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL FULL PENETRATION WELDS SHALL BE GROUND FLUSH.

36579(04)		PAY QUANTITIES		TULSA COUNTY	
0200 BRIDGE 'A' - NBI 16184 - US 75 NB OVER POLECAT CREEK					
ITEM		DESCRIPTION		UNIT	QUANTITY
502(B)	3310	FALSEWORK AND JACKING		LSUM	1.00
509(A)	0210	CLASS AA CONCRETE		CY	1.60
511(A)	2210	REINFORCING STEEL		LB	280.00
540	8120	(PL) REPAIR BRIDGE ITEM (TYPE A)		EA	2.00
540	8136	(PL) REPAIR BRIDGE ITEM (TYPE B)		EA	1.00

36579(04)		PAY QUANTITIES		TULSA COUNTY	
0640 CONSTRUCTION					
ITEM		DESCRIPTION		UNIT	QUANTITY
641	2100	MOBILIZATION		LSUM	1.00

BRIDGE "A" US 75 NB OVER POLECAT CREEK GENERAL NOTES AND SUMMARY OF PAY QUANTITIES		TULSA COUNTY		Design		
				Detail	KRM	07/23
				Check		
				Squad: Engr.:	MAYFIELD	
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION				
		JOB/PIECE NO. 36579(04)				SHEET NO. AB01

REVISIONS		
REV. NO.	DESCRIPTION	DATE

TRAFFIC GENERAL CONSTRUCTION NOTES

THE CONTRACTOR SHALL PROVIDE A PERSON TO BE ON 24 HOUR CALL AS NEEDED AS DETERMINED BY THE ENGINEER. THIS PERSON SHALL HOLD A CURRENT CERTIFICATION FROM THE AMERICAN TRAFFIC SAFETY SERVICE ASSOCIATION (ATSSA) OR THE OKLAHOMA TRAFFIC ENGINEERING ASSOCIATION (OTEA) AS A TRAFFIC CONTROL TECHNICIAN OR TRAFFIC CONTROL SUPERVISOR.

ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL MEET ODOT'S "QUALITY STANDARDS FOR TEMPORARY TRAFFIC CONTROL DEVICES." CHANNELIZING DEVICES SHALL HAVE A MINIMUM HEIGHT OF 36 INCHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE TEMPORARY TRAFFIC CONTROL DEVICES,AND SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY DEVICE DURING CONSTRUCTION.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING TRAFFIC ON CROSS STREETS. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.

TRAFFIC CONSTRUCTION PAY QUANTITY NOTES

- (TC-1) THE CONTRACTOR SHALL FURNISH AND INSTALL SUCH LIGHTS, SIGNS, BARRICADES, AND PROVIDE FLAGGERS NECESSARY FOR THE CONTROL, SAFETY, AND MAINTENANCE OF TRAFFIC WHEN INSTALLING, RELOCATING OR DELIVERING PORTABLE LONGITUDINAL BARRIER.
- (TC-21) INCLUDED IN THE COST OF THIS ITEM SHALL BE INSTALLATION, MAINTENANCE, AND REMOVAL. THIS ITEM SHALL BE BID ACCORDINGLY.
- (TC-26) ALL CONSTRUCTION TRAFFIC CONTROL WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS, AND INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES REQUIRED FOR COMPLETION OF THE PROJECT. ALL SIGNS AND BARRICADES WHICH ARE SHOWN WITH TYPE 'B' LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.
- (TC-28) INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS WHICH ARE BETWEEN 0 S.F. AND 6.25 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.
- (TC-29) INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS WHICH ARE BETWEEN 6.26 S.F. AND 15.99 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.
- (TC-30) INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS WHICH ARE BETWEEN 16.0 S.F. AND 32.99 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.
- (TC-33) ALL CONSTRUCTION WORK ZONE SIGNS SHALL HAVE FLUORESCENT SHEETING. THE FLUORESCENT SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST REVISION) THE MANUFACTURER SHALL FURNISH A TYPE 'D' CERTIFICATION IN ACCORDANCE WITH O.D.O.T. STANDARD SPECIFICATIONS (CURRENT EDITION) SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON MATERIAL SUBMITTED FOR APPROVAL.
- (TC-52) ANY USED TRUCK MOUNTED ATTENUATOR AND CONSTRUCTION ZONE IMPACT ATTENUATOR TO BE PLACED ON THIS PROJECT SHALL BE SUBJECT TO INSPECTION AND APPROVAL, BY THE OKLAHOMA DEPARTMENT OF TRANSPORTATION, TO ASSURE THAT THEY ARE IN GOOD WORKING CONDITION, PRIOR TO PLACEMENT ON THE PROJECT.
- (TC-61) ANY DAMAGE TO A FINISHED OR EXISTING SURFACE RESULTING FROM THE CONTRACTORS NEGLIGENCE IN THE REMOVAL OF CONSTRUCTION ZONE PAVEMENT MARKERS OR CHANNELIZING DEVICES AND THE BITUMINOUS ADHESIVE USED IN THEIR INSTALLATION, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.
- (TC-65) THE PRICE BID FOR THIS ITEM SHALL INCLUDE THE FOLLOWING:

A. ONE OFFICIALLY MARKED OKLAHOMA HIGHWAY PATROL CAR (WHEN PROJECT INVOLVES A STATE OR FEDERAL HIGHWAY). IF AN OKLAHOMA HIGHWAY PATROL CAR IS NOT AVAILABLE, THEN A LOCAL CITY OR COUNTY LAW ENFORCEMENT VEHICLE IS TO BE USED. PRICE BID FOR THIS ITEM SHALL BE PAID ON A PER UNIT PER HOUR BASIS.

B. ONE OKLAHOMA HIGHWAY LAW ENFORCEMENT OFFICER WITH JURISDICTIONAL AUTHORITY TO WRITE AND ISSUE TRAFFIC CITATIONS. IF AN OKLAHOMA HIGHWAY PATROL LAW OFFICER IS NOT AVAILABLE, THEN A LOCAL CITY OR COUNTY LAW ENFORCEMENT OFFICER IS TO BE USED. THE LAW ENFORCEMENT OFFICER SHALL BE INSURED, LICENSED AND BONDED, IF REQUIRED, BY THE CONTRACTOR. THIS OFFICER SHALL BE SPECIFICALLY APPROVED AND ASSIGNED TO THIS WORK ACTIVITY.

C. THE CONTRACTOR SHALL MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE OKLAHOMA HIGHWAY PATROL OR THE LAW ENFORCEMENT AGENCY TO PROVIDE THE REQUIRED LAW ENFORCEMENT ON THIS PROJECT.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS ANTICIPATED WEEKLY SCHEDULE TO THE OKLAHOMA HIGHWAY PATROL OR THE LOCAL LAW AGENCY TWO WEEKS IN ADVANCE OF THE WORK. THE WORK SCHEDULE WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

E. THE OKLAHOMA HIGHWAY PATROL OR THE LOCAL LAW ENFORCEMENT AGENCY WILL BE PAID FOR A MAXIMUM OF ONE (1) HOUR, PER WORK PERIOD, TO ALLOW FOR TRAVEL TO AND FROM THE OFFICER'S PERMANENT DUTY STATION AND THE WORK SITE. THIS WILL BE PAID ONE (1) TIME PER WORK PERIOD AS DEFINED BY THE CONTRACTOR IN AGREEMENT WITH THE ENGINEER.
- (TC-70) THIS ITEM IS AN ESTIMATED QUANTITY TO BE USED AS DEEMED NECESSARY BY THE ENGINEER.
- (TC-73) QUANTITY SHOWN INCLUDES 530 EA. (WHITE) AND 650 EA. (YELLOW) CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS). THESE CONSTRUCTION ZONE PAVEMENT MARKERS SHALL BE EITHER "DAVIDSON PLASTICS: MODEL TOM", OR AN APPROVED EQUAL. PRICE BID FOR THIS ITEM SHALL INCLUDE THE INITIAL PLACEMENT, SUBSEQUENT REPLACEMENT, AND REMOVAL. THE CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON STANDARD DRAWING TCS21-1-(LATEST REVISION).
- (TC-75) TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE THE SAME DAY THAT EXISTING PAVEMENT MARKINGS ARE REMOVED FROM ANY ROADWAY OPEN TO TRAFFIC. ALSO, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO THE INSTALLATION OF FINAL STRIPING.


TRAFFIC CONSTRUCTION PAY QUANTITY NOTES (CONTINUED)

- (TC-80) INCLUDED IN THIS ITEM SHALL BE ONE (1) ADDITIONAL UNIT TO BE USED AS A STAND-BY OR REPLACEMENT. THIS STAND-BY UNIT SHALL BE IMMEDIATELY ACCESSIBLE TO REPLACE A DAMAGED, STOLEN OR MALFUNCTIONING UNIT. THE AMOUNT OF TIME BETWEEN THE REMOVAL OF THE DAMAGED UNIT AND THE INSTALLATION OF THE STAND-BY UNIT SHALL BE NO MORE THAN TWENTY-FOUR (24) HOURS.
- (TC-84) 30 CONSTRUCTION CALENDAR DAYS WERE USED TO COMPUTE THE SIGN DAY PAY ITEMS. THE AMOUNT OF CALENDAR DAYS USED TO COMPUTE THE SIGN DAY PAY ITEMS IS AN ESTIMATED QUANTITY ONLY, BASED ON THE CURRENT O.D.O.T. STANDARDS AND SUGGESTED CONSTRUCTION SEQUENCE FOR THIS PROJECT. THESE ESTIMATED SIGN DAY QUANTITIES MAY CHANGE AS THE PROJECT'S CONSTRUCTION TRAFFIC CONTROL IS MODIFIED DURING CONSTRUCTION.
- (TC-85) THESE SIGNS MUST BE ON THE OKLAHOMA DEPARTMENT OF TRANSPORTATION LIST OF APPROVED CHANGEABLE MESSAGE SIGNS. FOR A LIST OF THE APPROVED SIGNS GO TO THE OKLAHOMA DEPARTMENT OF TRANSPORTATION WEBSITE. AT: <http://www.okladot.state.ok.us/traffic/qpl/index.php>

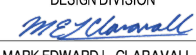
SPECIAL NOTES


- (SP-1) PORTABLE CHANGEABLE MESSAGE SIGN(S) WILL BE PLACED 14 DAYS PRIOR TO LANE CLOSURE WHERE DEEMED NECESSARY BY THE ENGINEER.

36579(04) PAY QUANTITIES				
0300 TRAFFIC CONTROL				
ITEM		DESCRIPTION	UNIT	QUANTITY
857(E)	9630	(PL) CONST. ZONE PAV. MKRS (FLEX TAB) TYP. 2-2 (TC-21,61,70,73,75)	EA	1180.00
871(B)	2300	CONST. ZONE IMPACT ATTEN. (TC-26,52,80,84)	SD	30.00
877(B)	4300	DELIVER PORTABLE LONGITUDINAL BARRIER (TC-1,26)	LF	1100.00
880(A)	6220	ARROW DISPLAY (TYPE C) (TC-26,84)	SD	60.00
880(B)	6300	CONSTRUCTION SIGNS 0 TO 6.25 SF (TC-26,28,33,84)	SD	400.00
880(B)	6310	CONSTRUCTION SIGNS 6.26 SF TO 15.99 SF (TC-26,29,33,84)	SD	180.00
880(B)	6320	CONSTRUCTION SIGNS 16.0 SF TO 32.99 SF (TC-26,30,33,84)	SD	830.00
880(E)	6607	WARNING LIGHTS (TYPE B) (TC-26,84)	SD	540.00
880(E)	6616	WARNING LIGHTS (TYPE D) (TC-26,84)	SD	5835.00
880(F)	6700	DRUMS (TC-26,84)	SD	4860.00
880(G)	6805	CHANNELIZER CONES (TC-26,84)	SD	975.00
880(L)	7310	(SP) TRAFFIC SURVEILLANCE, OHP (NON-BID) (TC-65,70)	HOURL	15.00
882(A)	8210	PORT. CHANGEABLE MESSAGE SIGN (SP-1)(TC-84,85)	SD	176.00



OKLAHOMA
Transportation

PREPARED BY:
OKLAHOMA DEPARTMENT OF TRANSPORTATION
DESIGN DIVISION

MARK EDWARD L. CLARAVALL, P.E.
OKLA. LIC. NO. 25796
DATE 08/03/2023



BRIDGE "A"
US 75 NB OVER POLECAT CREEK
TULSA COUNTY

PAY QUANTITIES AND NOTES
(TRAFFIC)

Design	MZB	7/23
Detail	MZB	7/23
Check	MLC	7/23
Squad	MAYFIELD	
Eng.		

STATE OF
OKLAHOMA

DEPARTMENT OF TRANSPORTATION
JOB/PECE NO. 36579(04)

SHEET NO. A TO 1



REVISIONS		
REV. NO.	DESCRIPTION	DATE

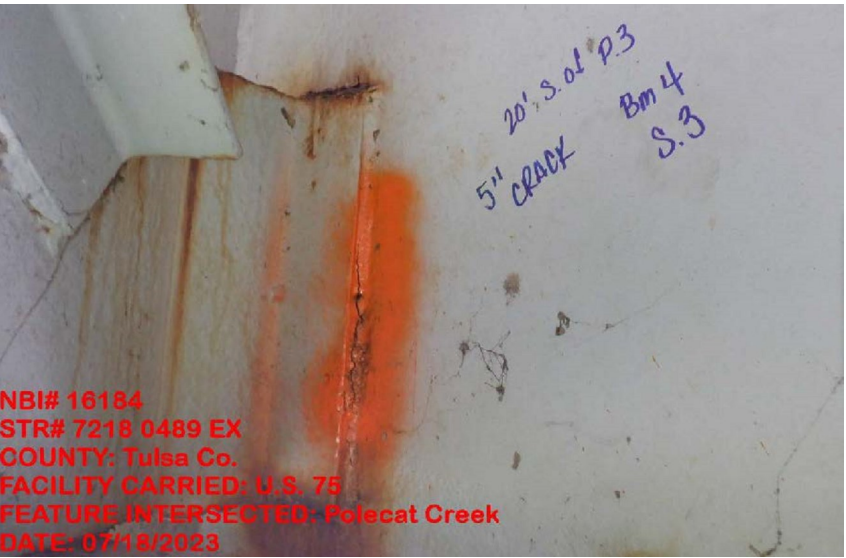
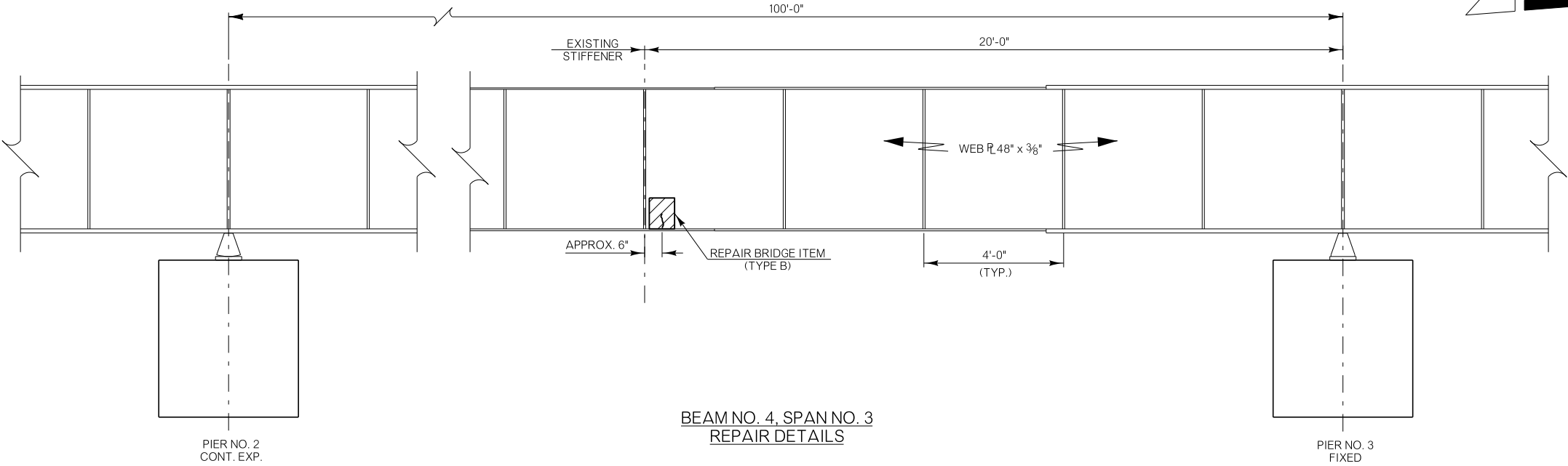
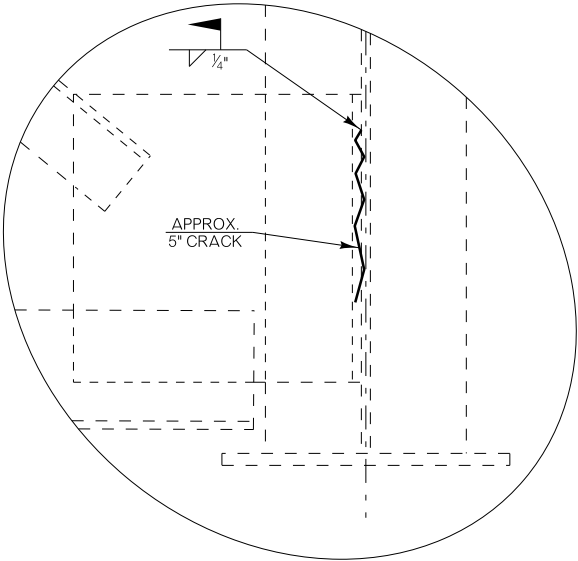
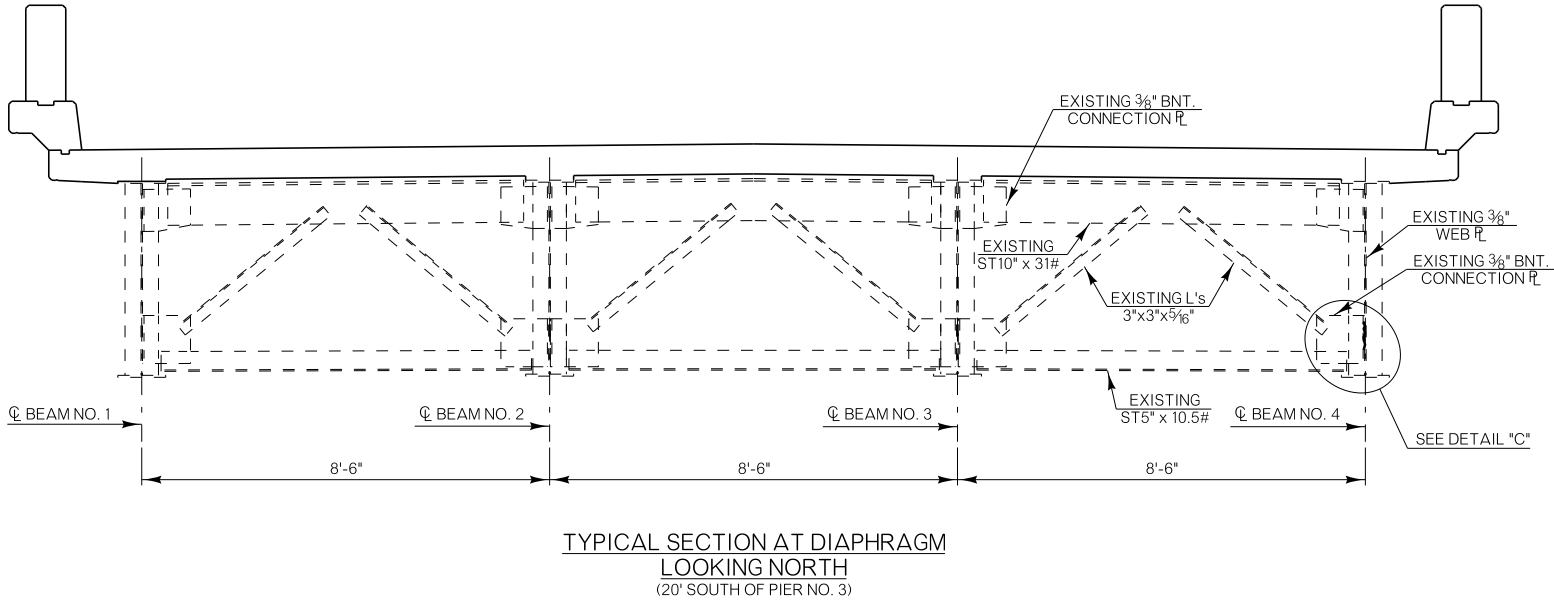
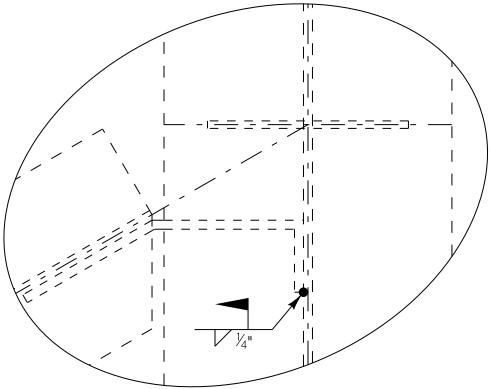


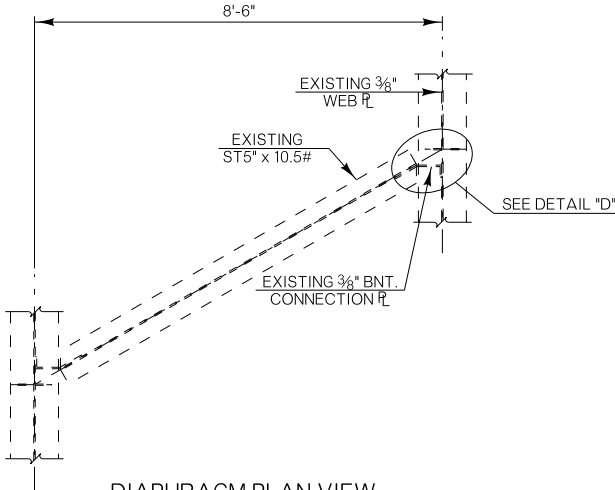
PHOTO OF DETAIL "C"



DETAIL "C"



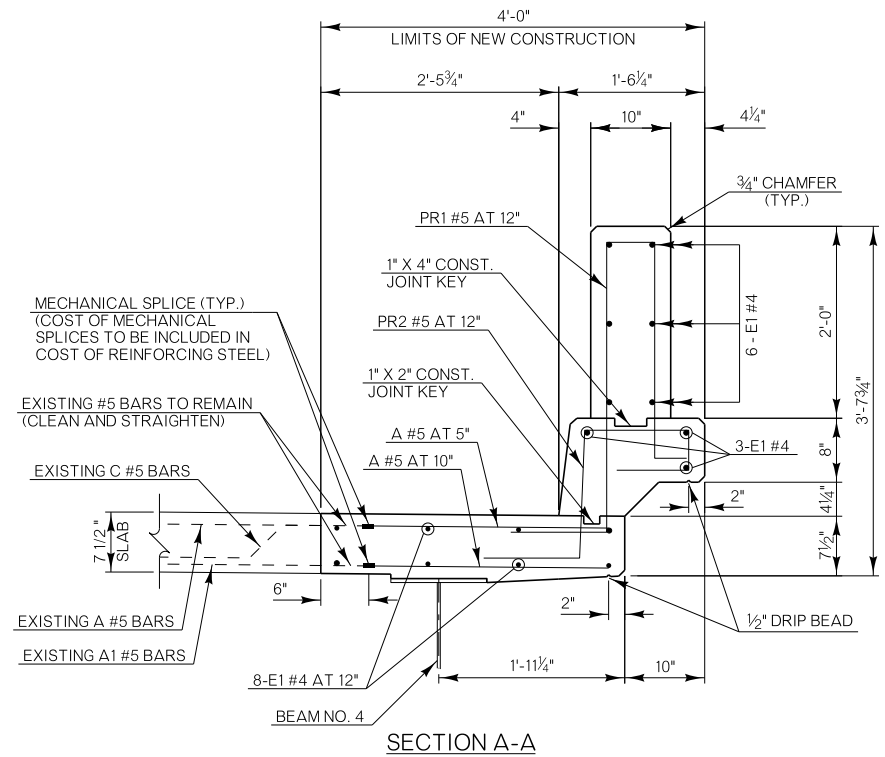
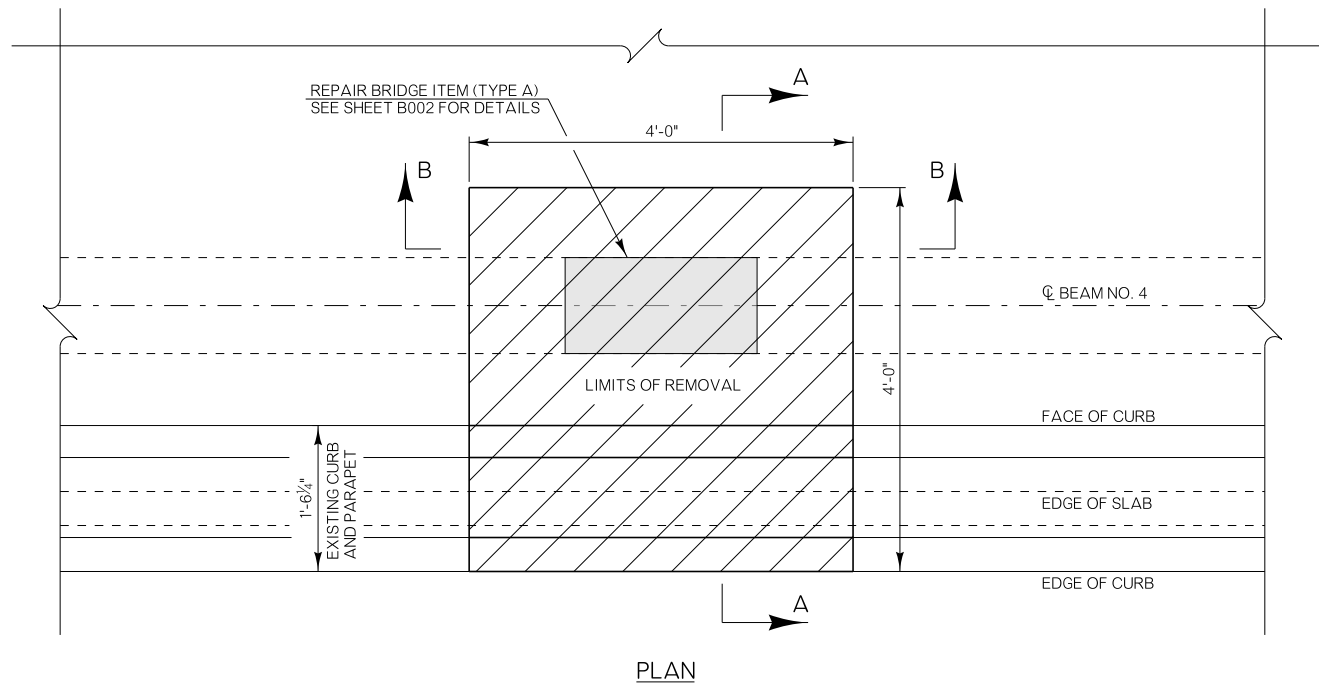
DETAIL "D"



NOTE:
LOCATION AND SIZE OF REPAIR IS APPROXIMATE.
FINAL LOCATION AND EXTENTS OF REPAIR TO BE
DETERMINED IN THE FIELD.

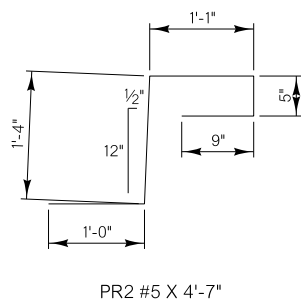
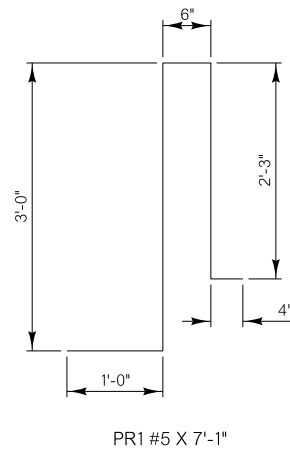
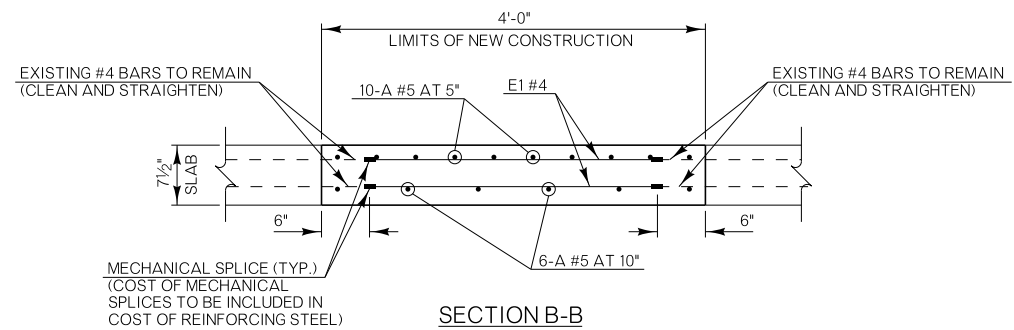
BRIDGE "A"		TULSA COUNTY		Design		
US 75 NB OVER POLECAT CREEK				Detail	WDY	07/23
DETAILS OF BRIDGE REPAIR (TYPE B)				Check		
				Squad	MAYFIELD	
				Engr.		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION		JOB/PIECE NO.	36579(04)	
				SHEET NO.	B003	

REVISIONS		
REV. NO.	DESCRIPTION	DATE



BAR LIST (ONE SHOWN, TWO REQUIRED)				
MARK	SIZE	NO.	FORM	LENGTH
A	#5	16	STR.	2'-6"
E1	#4	17	STR.	3'-0"
PR1	#5	5	BNT.	7'-1"
PR2	#5	5	BNT.	4'-7"

QUANTITIES (ONE SHOWN, TWO REQUIRED)			
DESCRIPTION	UNIT	QUANTITY	
CLASS AA CONCRETE	CY	0.80	
REINFORCING STEEL	LB	140.00	



BRIDGE "A" US 75 NB OVER POLECAT CREEK DETAILS OF DECK REPAIR		TULSA COUNTY		Design		
				Detail	BB	07/23
				Check		
				Squad:	MAYFIELD	
				Engr.:		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION				
		JOB PIECE NO. 36579(04)				SHEET NO. B004

